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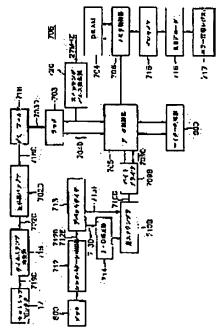
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(54) DECODER AND DECODING METHOD FOR D-VHS CODEC SYSTEM

(57) Abstract:

PROBLEM TO BE SOLVED: To reproduce a high quality image and voice by correcting a random or group error generated from a tape using additionally recorded forward error correction (FEC) information in reproducing digital data recorded in a track format.

SOLUTION: A sync pattern detector 712 detects the sync data of each track from a bit serial digital data read out from a tape. A depacketizer 713 sorts the ID included in the head of sync block. A DRAM 704 records the data, obtained by descrambling the sync data. sequentially on the relevant track based on an address calculated from the value of ID. An RS decoder 716 performs internal decoding and external decoding sequentially, in units of sync block, for the deshuffled sync block from a deshuffler 715 and provides information of the position and size of error of sync block.



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